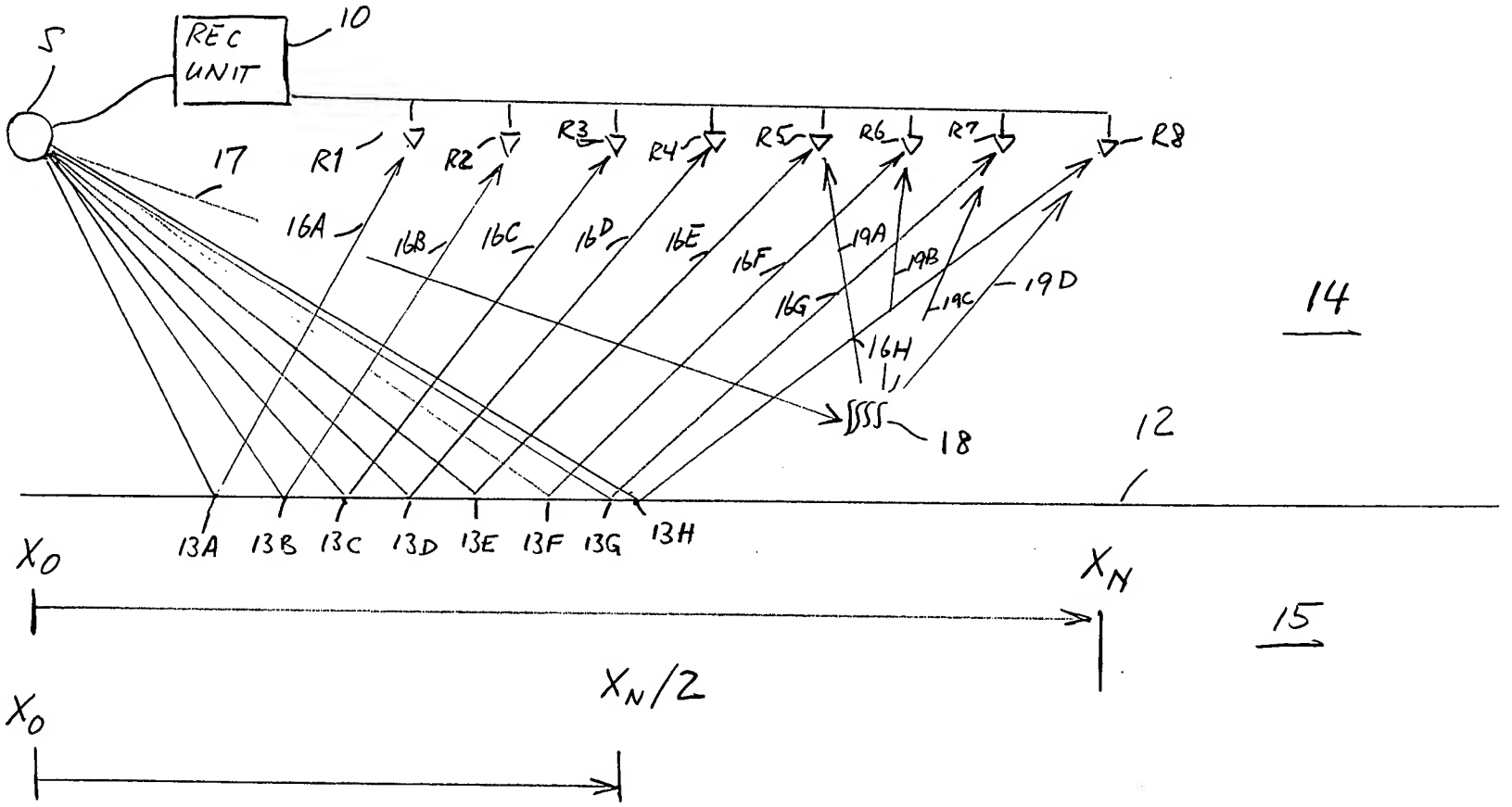

S
REC UNIT
10
17
R1
R2
R3
R4
R5
R6
R7
R8
16A
16B
16C
16D
16E
16F
16G
16H
19A
19B
19C
19D
18
14
12
13A
13B
13C
13D
13E
13F
13G
13H
X_0
X_N
15
$X_N/2$
X_0

FIG 1

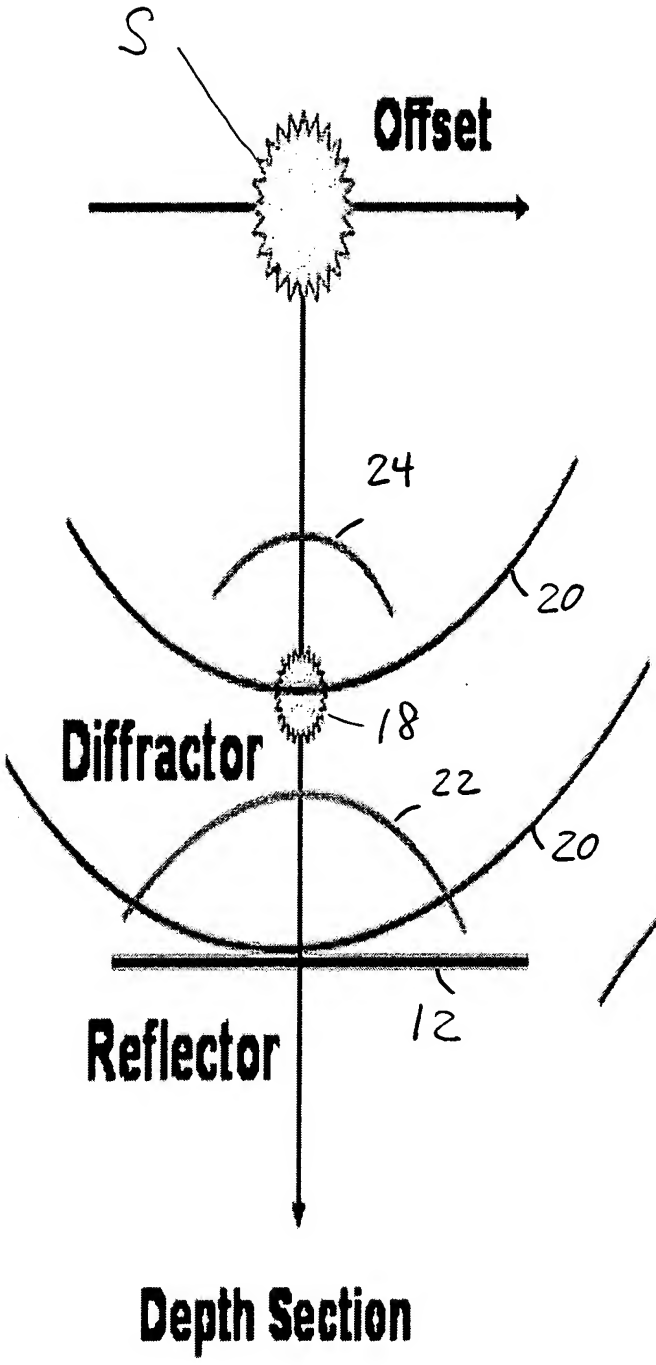

S
Offset
24
20
18
Diffractor
22
20
12
Reflector
Depth Section

FIG 2A

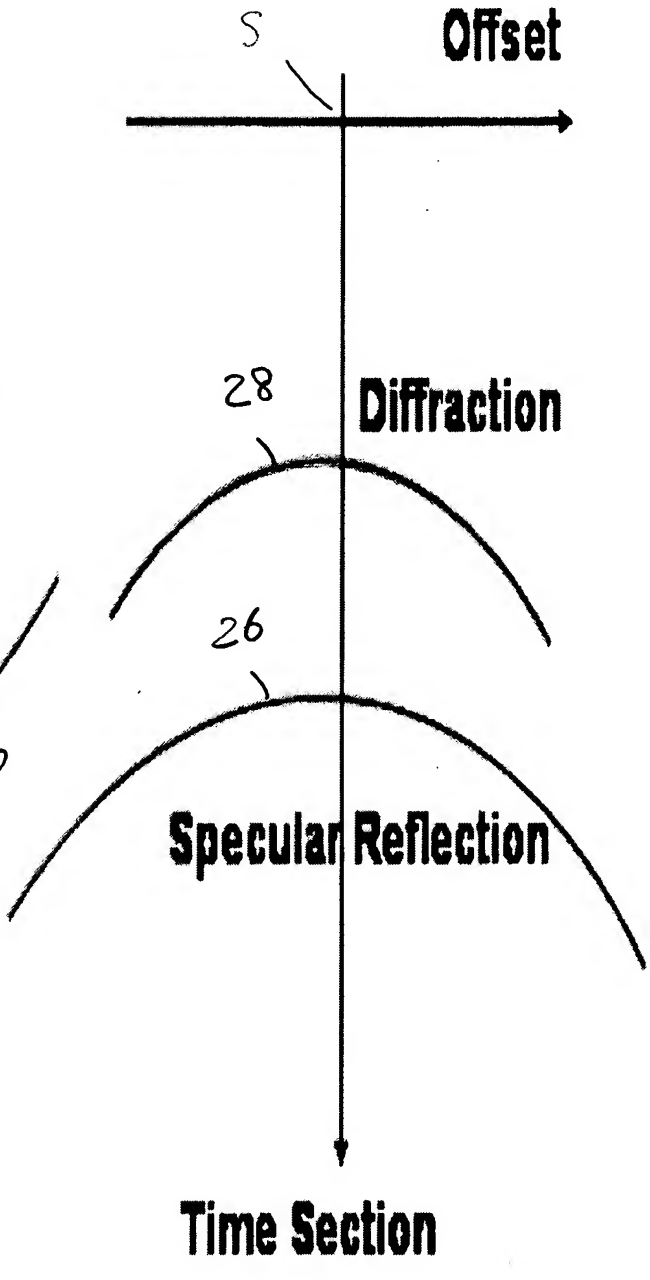

S
Offset
28
Diffraction
26
Specular Reflection
Time Section

FIG 2B

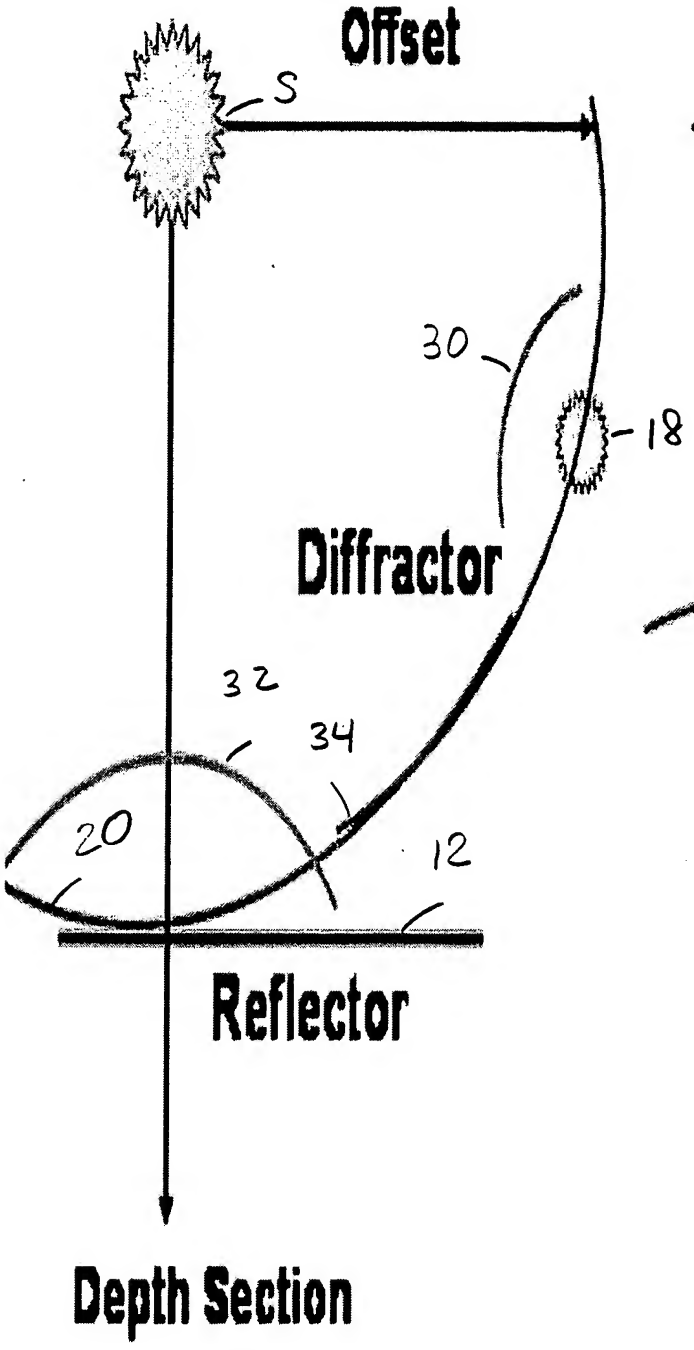

Offset
S
30
18
Diffractor
32
34
20
12
Reflector
Depth Section

FIG 3A

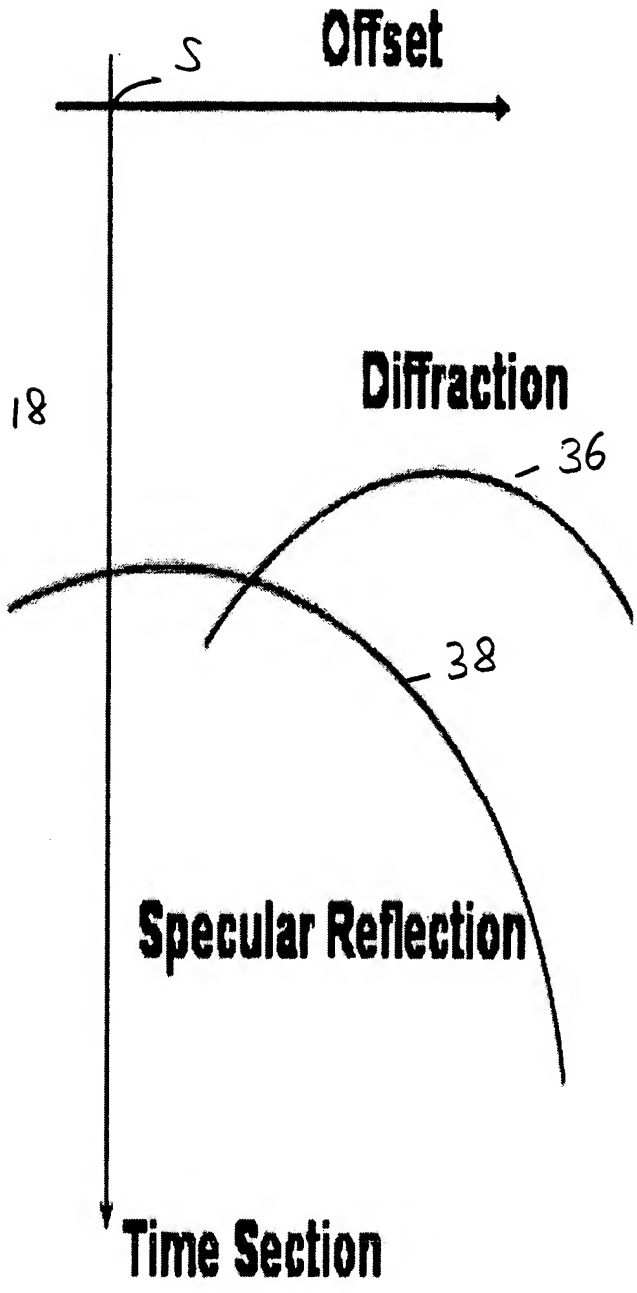

S
Offset
Diffraction
36
38
Specular Reflection
Time Section

FIG 3B

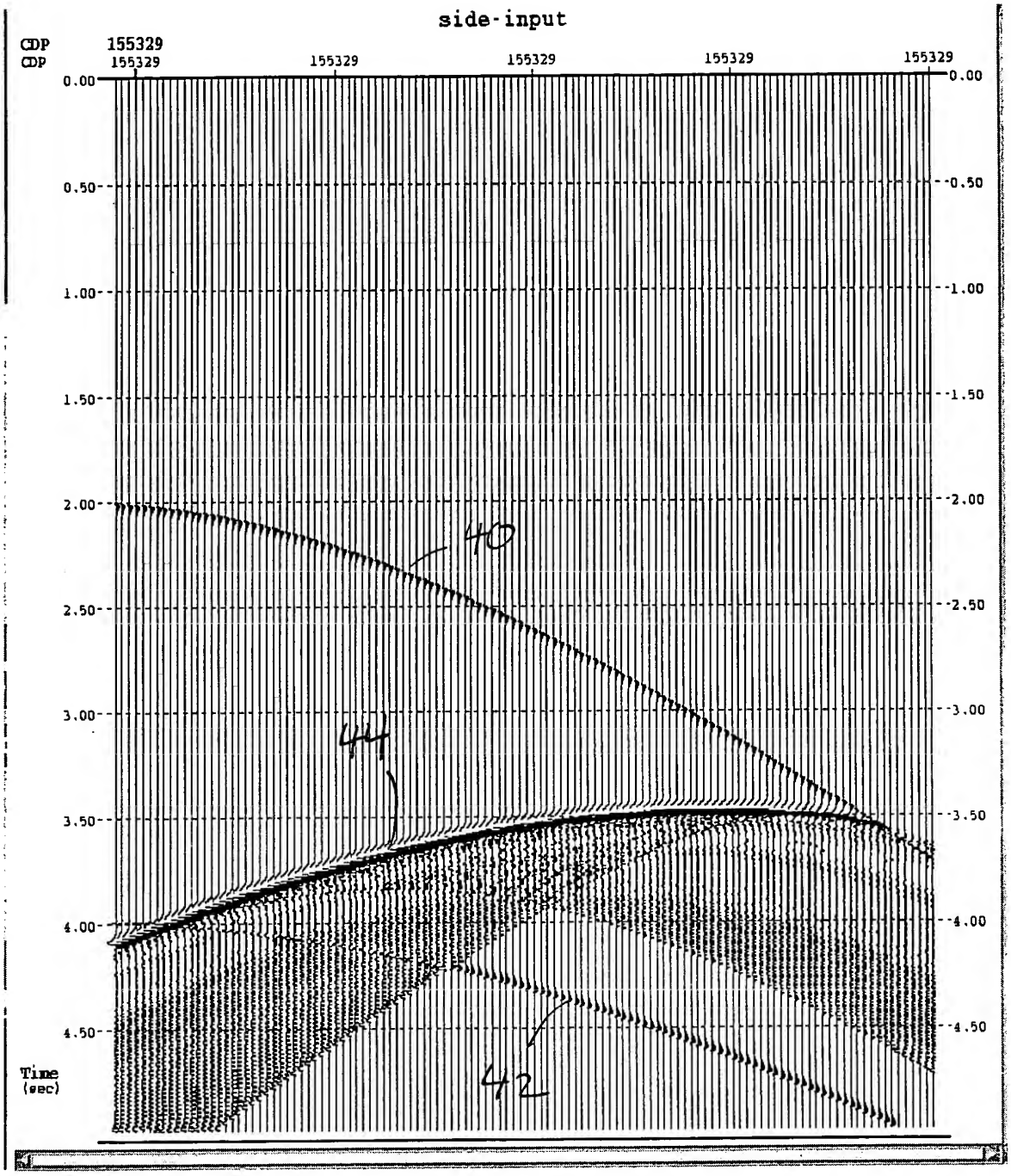

side-input
CDP
155329
CDP
155329
155329
155329
155329
155329
155329
0.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50
4.00
4.50
Time
(sec)
40
44
42

FIG 4

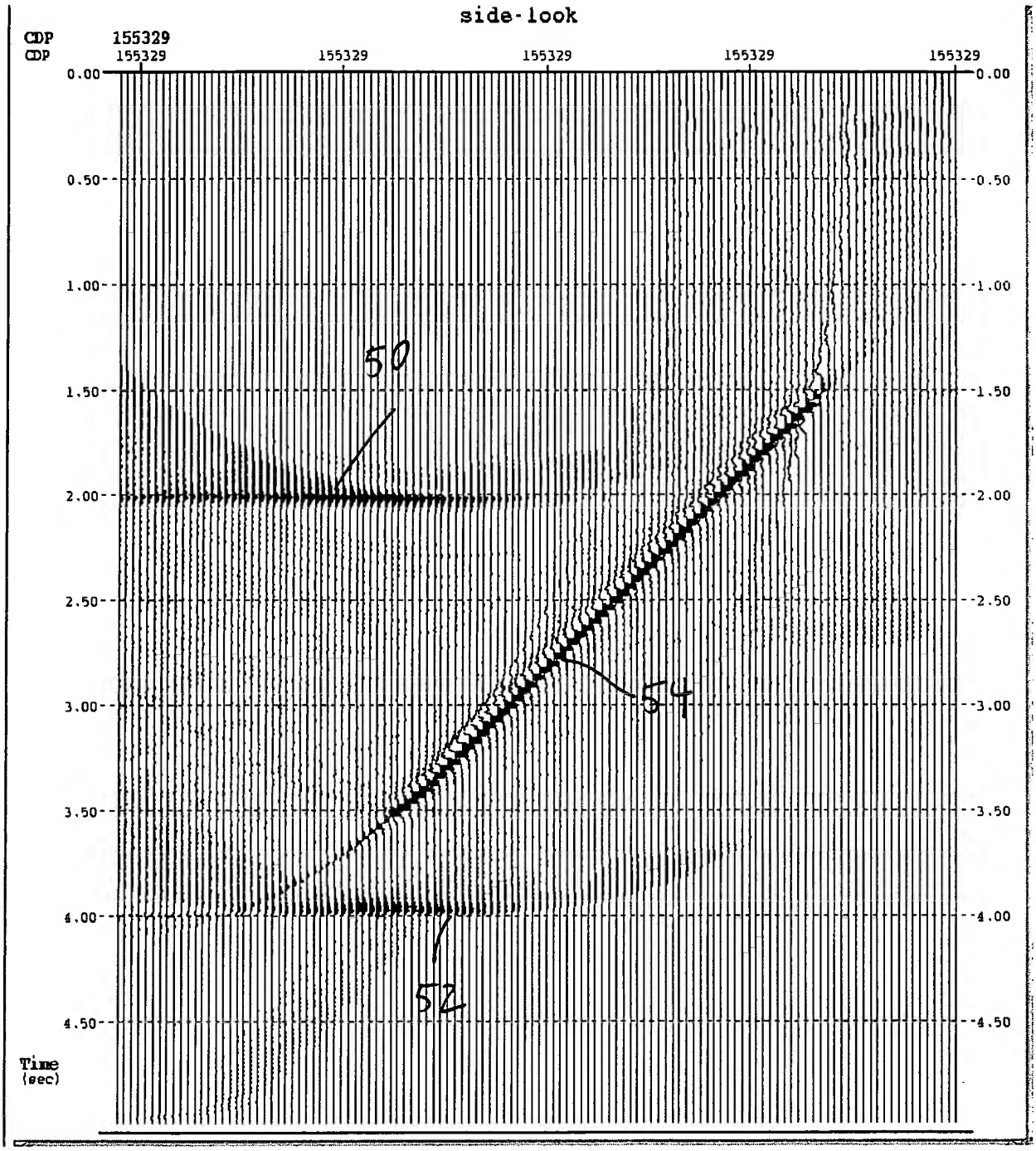
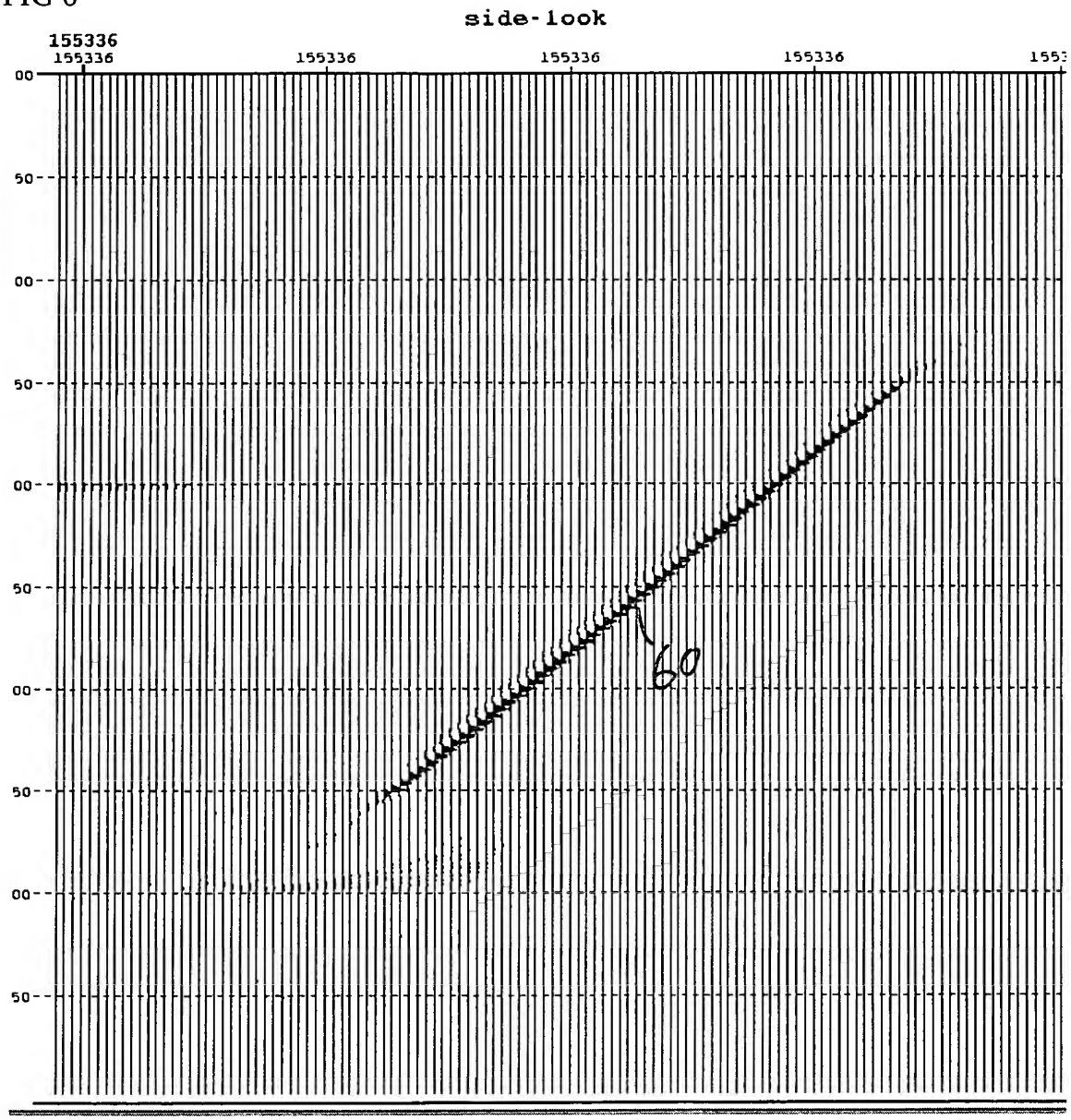

side-look
CDP
155329
CDP
155329
155329
155329
155329
155329
0.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50
4.00
4.50
Time
(sec)
50
54
52

FIG 5

FIG 6


side-look
155336
155336
155336
155336
155336
155336
00
50
00
50
00
50
00
50
00
50
60

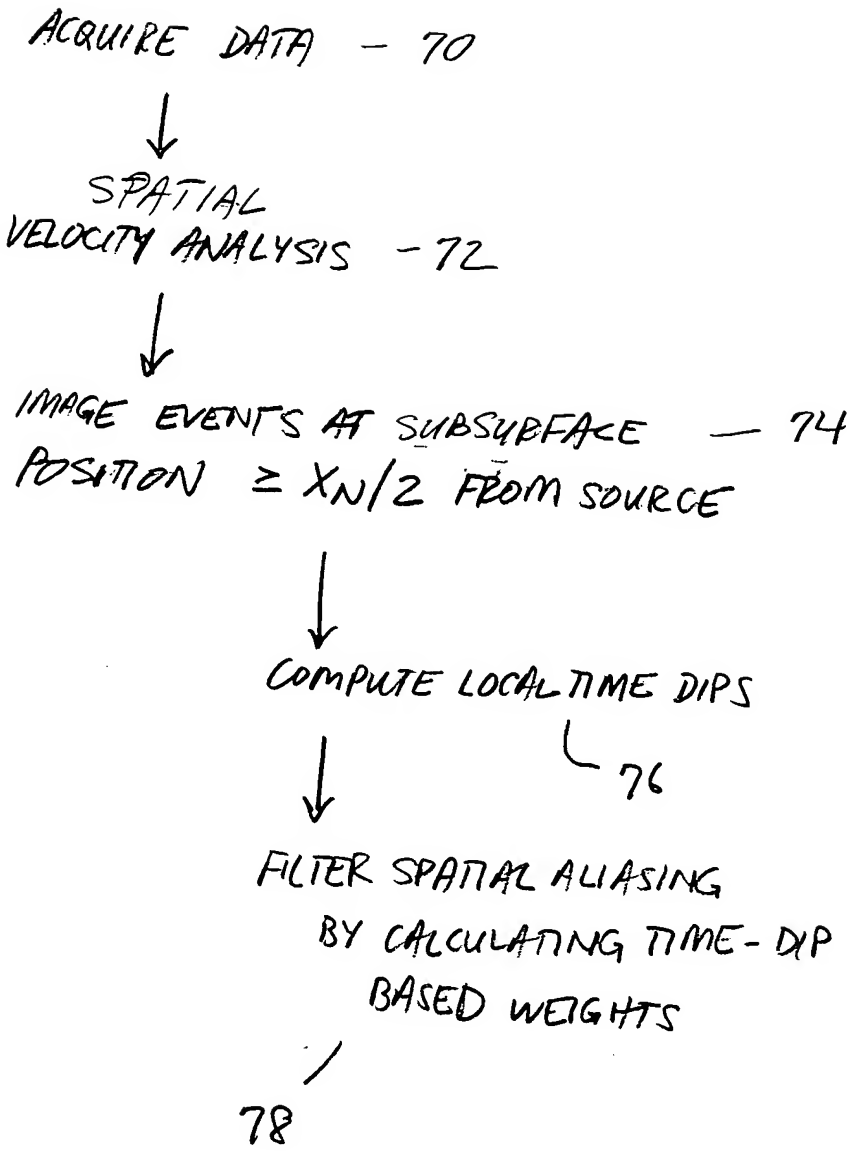

ACQUIRE DATA - 70
SPATIAL VELOCITY ANALYSIS - 72
IMAGE EVENTS AT SUBSURFACE - 74
POSITION ≥ $X_N/2$ FROM SOURCE
COMPUTE LOCAL TIME DIPS
76
FILTER SPATIAL ALIASING BY CALCULATING TIME-DIP BASED WEIGHTS
78

FIG 7

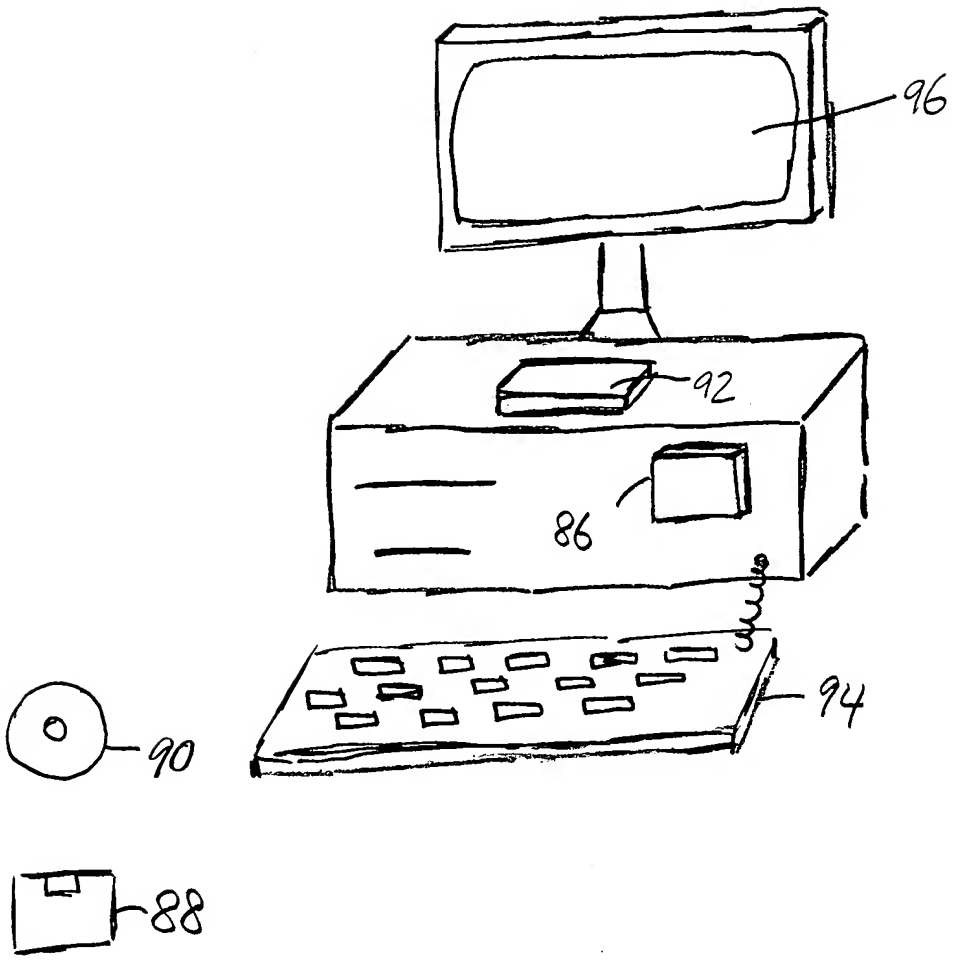


FIG 8